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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,270	09/11/2003	Kenichi Shiraishi	4409.2	5635
23117 7590 09/19/2007 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			EXAMINER ORANGE, MARIAMA N	
			ART UNIT 2609	PAPER NUMBER
			MAIL DATE 09/19/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/659,270

Applicant(s)

SHIRAISHI ET AL.

Examiner

Mariama Orange

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

1. The disclosure is objected to because of the following informalities:

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Tanaka et al. (US Patent No. 3,981,575), hereinafter referenced as Tanaka.

Regarding claim 1, Tanaka discloses an electrophotographic copying machine, as exhibited in figure 2, which reads on claimed "image reading device." In addition, Tanaka discloses an image transmitter (1) with optical fibers at column 2, lines 36-42, and also column 4, line 68 through column 5, lines 1-6, and exhibited in figures 1 and 2, which reads on claimed "optical reader;" light or radiation pattern of the original to be copied at column 4, line 68 through column 5, line 1, which reads on claimed "original;" and the light or radiation pattern being transmitted through the image transmitter and projected onto a photoreceptor surface (5) disclosed at column 4, line 68 through column 5, lines 1-9, and exhibited in figures 1 and 2, reads on claimed "reading an

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original in a main scanning direction.” Also, Tanaka discloses a rotating photoreceptor surface (5) onto which the light or radiation pattern of the original to be copied is projected, forming an image of the original to be copied, at column 4, lines 65-68 through column 5, lines 1-9, and exhibited in figure 2, which reads on claimed “transporter for transporting the original in a sub scanning direction.” Wherein the light or radiation pattern of the original to be copied is formed from light rays from lamp (7), of illumination device (6) disclosed at column 6, lines 38-39, and exhibited in figures 2 and 4, illuminating the original to be copied, as disclosed by Tanaka at column 8, lines 1-8, and exhibited in figures 2 and 4, the light guide duct (8) disclosed at column 6, line 47, and exhibited in figures 2 and 4, reads on claimed “guide member for guiding the original read by optical reader to an original eject slot;” where the light exit (9) disclosed by Tanaka at column 7, lines 14-15, and exhibited in figures 2 and 4, reads on claimed “original eject slot.” Additionally, Tanaka discloses the tip (8'b) of top wall (8b) of guide duct (8) positioned to shield unnecessary rays of light at column 8, lines 25-36, and exhibited in figure 4, which reads on claimed “guide member...provided with a light-blocking portion with its upper surface positioned above an extended plane of a reading surface of the optical reader;” where the end of image transmitter (1) spaced a distance l2 from photoreceptor surface (5), as disclosed by Tanaka at column 2, lines 49-50, and exhibited in figure 1, reads on claimed “reading surface of the optical reader.”

Regarding claim 2, Tanaka discloses everything claimed as applied above (see claim 1); in addition, Tanaka discloses an upwardly curved portion (8d) of bottom wall (8c) of light guide duct (8), where one of the ends of bottom wall (8c) terminates

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adjacent one of the ends of image transmitter (1) and also terminates at or in the vicinity of the level of the plane of top wall (8b) of light guide duct (8) at column 6, lines 55-63, and exhibited in figure 4, which reads on claimed "slant surface provided between the reading surface of the optical reader and the light-blocking portion."

Regarding claim 3, Tanaka discloses everything claimed as applied above (see claim 2); in addition, Tanaka discloses top wall (8b) of light guide duct (8), which extends in parallel relation to and also in spaced relation to bottom wall (8c), containing upwardly curved portion (8d), and is also adjacent to tip (8'b) at column 7, lines 12-13, and at column 8, line 34, and exhibited in figure 4, which reads on claimed "upper guide surfaces, the upper guide surfaces respectively facing the light-blocking portion and the slant surface at a predetermined distance."

Regarding claim 4, Tanaka discloses everything claimed as applied above (see claim 1); in addition, Tanaka discloses machine housing at column 9, lines 44-45, and exhibited in figure 2, which reads on claimed "cover surface provided around the transporter in such a manner as to face the transporter at a predetermined distance."

Regarding claim 5, Tanaka discloses everything claimed as applied above (see claim 2); in addition, Tanaka discloses machine housing at column 9, lines 44-45, and exhibited in figure 2, which reads on claimed "cover surface provided around the transporter in such a manner as to face the transporter at a predetermined distance."

Regarding claim 6, Tanaka discloses everything claimed as applied above (see claim 3); in addition, Tanaka discloses machine housing at column 9, lines 44-45, and

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exhibited in figure 2, which reads on claimed "cover surface provided around the transporter in such a manner as to face the transporter at a predetermined distance."

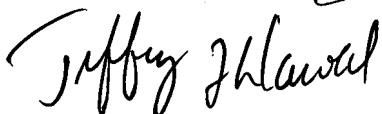
***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariama Orange whose telephone number is (571) 270-3577. The examiner can normally be reached on Monday - Thursday 9:30am-3:00pm ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jefferey Harold can be reached on (571) 272-7519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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JEFFEREY F. HAROLD  
SUPERVISORY PATENT EXAMINER

